

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1272174

Luminaire Tested: P3AS13R709827DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R709827DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

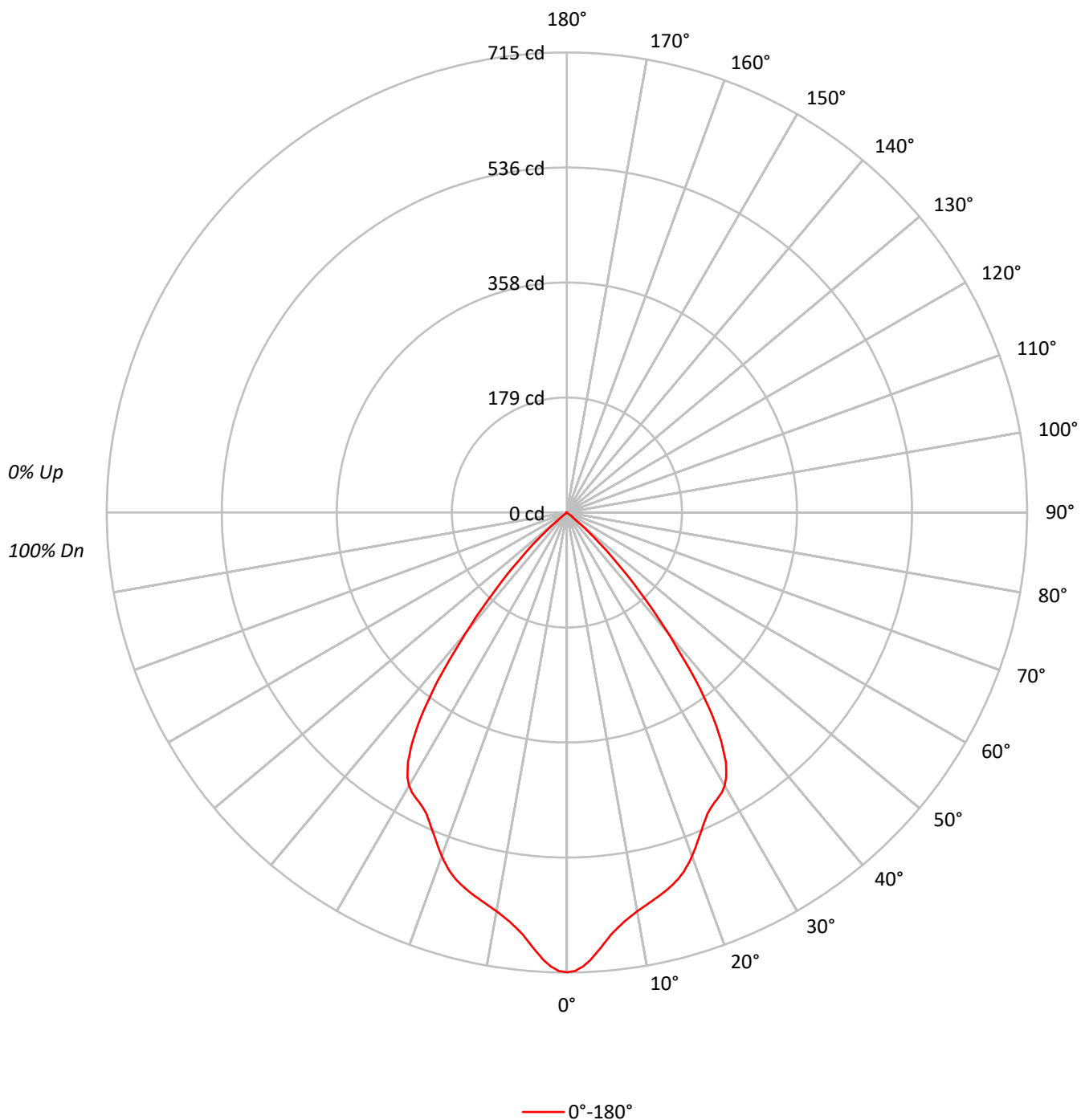
Lumens per Lamp: N/A
Luminaire Lumens: 806.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156720
5°	147765
10°	140122
15°	137594
20°	132638
25°	125015
30°	124146
35°	108121
40°	69931
45°	33058
50°	4640
55°	382
60°	307
65°	363
70°	192
75°	254
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33058 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	7.8
10°-20°	170.2	21.1
20°-30°	240.8	29.9
30°-40°	242.0	30.0
40°-50°	87.0	10.8
50°-60°	2.4	0.3
60°-70°	0.5	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	473.7	58.8
0°-40°	715.7	88.8
0°-60°	805.1	99.9
0°-90°	806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	715	
5°	671	63
15°	606	170
25°	517	241
35°	404	242
45°	107	87
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	714.7
1°	712.7
2°	706.4
3°	696.5
4°	683.9
5°	671.3
6°	659.4
7°	650.2
8°	641.9
9°	635.3
10°	629.3
11°	624.3
12°	619.7
13°	615.1
14°	610.8
15°	606.1
16°	600.5
17°	594.5
18°	587.3
19°	578.3
20°	568.4
21°	557.5
22°	546.5
23°	535.9
24°	525.7
25°	516.7
26°	510.5
27°	505.5
28°	501.5
29°	496.9
30°	490.3
31°	480.7
32°	467.1
32.5°	459.5
33°	449.2
34°	429.0
35°	403.9
36°	376.1
37°	344.6
37.5°	330.0
38°	310.2
39°	274.8
40°	244.3
42.5°	169.2
45°	106.6

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	57.3
50°	13.6
52.5°	1.7
55°	1.0
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)